



SEQUENCE LISTING

<110> Jennie P. MATHER
Ronghao LI
Tony W. LIANG

<120> ANTIGEN PIPA AND ANTIBODIES THAT BIND
THERETO

<130> 415072002300

<140> US 10/713,248

<141> 2003-11-13

<150> US 60/426,192

<151> 2002-11-13

<160> 9

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 1

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1 5 10 15

<210> 2

<211> 358

<212> DNA

<213> Mus Musculus

<400> 2

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tttccaggaa ataaactgga atggatgggc tgcatacact acagtggtag cactaactac 180
aaccatctc tcaaaagtcg aatctctgtc actcgagaca catccaagaa ccagttcttc 240
ctgcagttga attctgtgac tactgaggac acagccacat attactgtgc aagaagggaa 300
tatggtaact atgctatgga ctactggggt caaggaacct cagtcaccgt ctcctcag 358

<210> 3

<211> 119

<212> PRT

<213> Mus Musculus

<400> 3

Asp Val Gln Leu Gln Glu Ser Gly Pro Asp Leu Val Lys Pro Ser Gln
1 5 10 15
Ser Val Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Gly
20 25 30

Tyr Gly Trp His Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
 35 40 45
 Met Gly Cys Ile His Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu
 50 55 60
 Lys Ser Arg Ile Ser Val Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
 65 70 75 80
 Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95
 Ala Arg Arg Glu Tyr Gly Asn Tyr Ala Met Asp Tyr Trp Gly Gln Gly
 100 105 110
 Thr Ser Val Thr Val Ser Ser
 115

<210> 4
 <211> 54
 <212> DNA
 <213> Mus Musculus

<400> 4
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<210> 5
 <211> 18
 <212> PRT
 <213> Mus Musculus

<400> 5
 Met Arg Val Leu Ile Leu Leu Cys Leu Phe Thr Ala Phe Pro Gly Ile
 1 5 10 15
 Leu Ser

<210> 6
 <211> 340
 <212> DNA
 <213> Mus Musculus

<400> 6
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 tggtagcagc agaaaccagg gcagcctcct aaactgttga tctacggggc atccactagg 180
 gaatctgggg tcctgatcg cttcacaggc agtggatctg gaaccgattt cactcttacc 240
 atcagcagtg tgcaggctga agacctggca gtttattact gtcagaatga tcatagttat 300
 ccattcacgt tcggctcggg gacaaagttg gaattaaaac 340

<210> 7
 <211> 119
 <212> PRT
 <213> Mus Musculus

<400> 7
 Asp Val Gln Leu Gln Glu Ser Gly Pro Asp Leu Val Lys Pro Ser Gln
 1 5 10 15
 Ser Val Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Gly
 20 25 30

Tyr Gly Trp His Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
 35 40 45
 Met Gly Cys Ile His Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu
 50 55 60
 Lys Ser Arg Ile Ser Val Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
 65 70 75 80
 Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95
 Ala Arg Arg Glu Tyr Gly Asn Tyr Ala Met Asp Tyr Trp Gly Gln Gly
 100 105 110
 Thr Ser Val Thr Val Ser Ser
 115

<210> 8
 <211> 60
 <212> DNA
 <213> Mus Musculus

<400> 8
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<210> 9
 <211> 20
 <212> PRT
 <213> Mus Musculus

<400> 9
 Met Glu Ser Gln Thr Gln Val Leu Ile Ser Leu Leu Phe Trp Val Ser
 1 5 10 15
 Gly Thr Cys Gly
 20